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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/651,103	08/29/2003	Shoriki Narita	2003_1226	7745
513 7:	590 03/29/2005		EXAMINER	
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WASHINGTON, DC 20006-1021			2891	
			DATE MAIL ED: 03/20/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary    Examiner			Application No.	Applicant(s)					
## Defice Action Summary  ## Deciminar   Igwe U. Anya   2229  ## The MAILING DATE of this communication appears on the cover sheet with the correspondence address —  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM  THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 30° CPR 1.136(n). In no event, however, may a reply be timely filled  If the period for reply is a spulfied above, the machinum statistical period will apply and will expire SK (0) MONTHS from the realing date of this communication reply specified above, the machinum statistical period will apply and will expire SK (0) MONTHS from the realing date of this communication reply specified above, the machinum statistical period will apply and will expire SK (0) MONTHS from the realing date of this communication reply specified above, the machinum statistical period will apply and will expire SK (0) MONTHS from the realing date of this communication reply specified above, the machinum statistical period will apply and will expire SK (0) MONTHS from the realing date of this communication.  Any reply exceed by the Office latter than there medines date the making date of this communication.  **Application is primate.**  1					OM				
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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 48, and 51 54 are rejected under 35 U.S.C. 102(b) as being anticipated by Hidaka et al. (JP Patent 401077111).
- 3. Hidaka et al. teach a charge removing unit, comprising:

a heating and cooling apparatus (fig. 1 element 2) for contacting a rear face of a charge appearance semiconductor substrate (1), whereby the semiconductor substrate develops an electric charge due to a temperature change;

a controller to control the heating and cooling apparatus so as to cool the semiconductor substrate in a manner to eliminate the electric charge (Abstract); and wherein the apparatus has a metal plated portion (3, 21) located so as to contact the rear face of the semiconductor substrate.

4. The limitation "the controller operable" such that "the temperature increase width is smaller than the temperature decrease width" has not been given any patentable weight. The presence of process limitations on product claims, which product does not otherwise patentably distinguish over prior art, cannot impart patentability to the product. In re Stephens 145 USPQ 656 (CCPA 1965).

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5. Claim 59 is rejected under 35 U.S.C. 102(b) as being anticipated by Miyashita et al. (US Patent 52443249).

6. Miyashita et al. teach a charge appearance semiconductor substrate, comprising: a circuit-formed face (fig. 5) operable to develop an electric charge due to a temperature change (col. 6 lines 29 – 35), the circuit-formed face includes a conductive region (50) for removing electric charge; and

dicing lines (53) for removing electric charge (col. 6 line 64 - col. 7 line 2), the dicing lines being connected to the to the conductive region (col. 4 lines 11 - 18), and being arranged to dice the circuit-formed face to form circuit-formed parts (col. 6 lines 36 - 40).

- 7. Claims 49, 50, and 55 58 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 8. Prior art made of record and not relied upon considered pertinent to applicant's disclosure include Furuta (JP Patent 04091422), and Kuroda (JP Patent 2000059165).

### Remarks

9. Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS**MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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10. A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

#### Contact Information

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Igwe U. Anya whose telephone number is (571) 272-1887. The examiner can normally be reached on M - F 8:30am - 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William B. Baumeister can be reached on (571) 272-1722. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

IA

March 7, 2005

Igwe U. Anya

Examiner Art Unit 2829